

## Philips DVD-Video/SACD Player



# Multi-Channel SACD player

- 6-channel analog output for SACD and Dolby Digital™
- SACD bass management
- Dual Laser optical pickup unit for optimum CD-R and CD-RW playback
- Audiophile grade audio circuitry for crystal clear sound
- Audio Direct mode for purer CD and SACD playback
- 96kHz/24bits audio digital output for PCM
- TruSurround™ by SRS for 2 channel Stereo output
- Component, Composite, and S-Video outputs
- Optical & Coaxial Digital Audio output (PCM / MPEG 2 / Dolby Digital / DTS)
- Gold plated A/V connectors



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**PHILIPS**

# DVD-Video/SACD player



## Technical specifications SACD 900A

### Playback system

- SACD multi-channel
- SACD Stereo
- DVD-Video
- Video CD
- S-Video CD
- CD (CD-R and CD-RW)<sup>1</sup>
- DVD+RW and DVD-R

### Optical read-out system

- Laser type Semiconductor AlGaAs
- Numerical Aperture 0.60 (DVD)  
0.45 (VCD/CD)
- Wavelength 650 nm (DVD)  
780 nm (VCD/CD)

### SACD disc format

- Medium Optical disc
- Diameter 12cm (8cm)

### DVD disc format

- Medium Optical disc
- Diameter 12 cm (8 cm)
- Playing time (12cm)
 

One layer	2.15 h <sup>1</sup>
Dual layer	4 h <sup>1</sup>
Two side, single layer	4.30 h <sup>1</sup>
Two side, dual layer	8 h <sup>1</sup>

### TV standard

- Number of lines 625
- Playback Multi-standard (PAL/NTSC)

### Audio format

- Digital
 

DSD	Uncompressed digital
MPEG/AC-3 / DTS/PCM	Compressed digital, 16, 20, 24 bits fs, 44.1, 48, 96 kHz

- Analog Sound Stereo
- Dolby Pro Logic downmix from Dolby Digital multi-channel sound
- Full decoding of Dolby Digital multi-channel surround sound
- 3D Sound for virtual 5.1 channel sound on 2 speakers

### Video format

- Digital compression MPEG 2 for DVD, SVCD  
MPEG 1 for VCD

	50Hz	60Hz
DVD		
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines
VCD		
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

### SACD audio performance

D/A converter	DSD	
SACD:	fs 2.8224Mhz	DC - 100kHz
Max. output voltage (OdB)	2V rms	
Channel unbalance	<0.5 dB	
Cut-off frequency	40kHz	

- Signal-Noise (1kHz) 110 dB
- Dynamic Range (1kHz) 105 dB
- Crosstalk (1kHz) 110 dB
- Total harmonic distortion (1kHz) 100 dB

### Video performance

- Video output 1 Vpp into 75 ohm
- S-Video Output Y: 1 Vpp into 75 ohm  
C: 0.3 Vpp into 75 ohm
- YUV output Y: 1 Vpp into 75 ohm  
CrCb: 0.7 Vpp into 75 ohm
- Black Level Shift On/off
- Video Shift Left/right

### Audio performance (typical)

D/A converter	24 bits	
DVD	Fs 96 kHz	4 Hz- 44 kHz
	Fs 48 kHz	4 Hz- 22 kHz
Video CD	Fs 48 kHz	4 Hz- 22 kHz
S-Video CD	Fs 44.1 kHz	4 Hz- 20 kHz

- Signal-Noise (1kHz) <100 dB
- Dynamic Range (1kHz) <95 dB
- Crosstalk (1kHz) <105 dB
- Distortion/ noise (1kHz) <92 dB

### Connections

- Y output Cinch (green)
- U (Cb) Output Cinch (blue)
- V (Cr) output Cinch (red)
- Video Output Cinch (yellow) 2x
- Audio L+R output Cinch (white/ red)
- S-Video output Mini DIN, 4 pins

### 6 Channel analog output

- Audio Front L/R Cinch (white/ red)
- Audio Surround L/R Cinch (white/ red)
- Audio Center Cinch (blue)
- Audio Subwoofer Cinch (black)
- Digital Output 1 coaxial, 1 optical  
IEC958 for CDDA / LPCM  
IEC1937 for MPEG 1/2, AC-3, DTS

### Power supply

- Power inlet 110V-240V, 50/60 Hz
- Power usage Approx. 20 watt
- Power usage standby Less than 3 watt

### Product

- Dimension 17 x 3.9 x 12.6 inches  
(w x h x d)
- Weight Approx. 9.25 lbs

### Carton

- Dimension 20.5 x 8.2 x 15.75 inches  
(w x h x d)
- Weight Approx. 11.26 lbs

UPC 0 37849 92085 5

### Package contents

- DVD-video player
- Remote control with batteries
- AC power cord
- User manual
- Video /Audio cable
- S-Video cable

### General functionality

- Stop/ play/ pause
- Fast forward/ backward
- Step forward/ backward
- Slow motion
- Title/ chapter/ track select
- Skip next/ skip previous
- Repeat (Chapter/ title/ all) or (Track/ all)
- A-B repeat, Shuffle & Scan
- Zoom (x1.33, x2, x4) with picture enhancement
- 3D sound
- Screen saver (dim 75% after 15 min.)
- 5.1 Channels user defined speaker settings
- Virtual Jog Shuttle
- Audio and video bit rate indicator
- Audio Direct Mode
- SACD bass management

### DVD functionality

- Multi-angle selection
- Audio selection (1 out of max. 8 languages)
- Subtitles selection (1 out of max. 32 languages)
- Aspect ratio conversion (16:9, 4:3 letterbox, 4:3 Pan Scan)
- Parental control and disc lock
- Disc Menu support (title menu and root menu)
- Resume (5 discs) after stop/ standby
- Programming titles/ chapters with favorite selection

### Video CD, SVCD functionality

- Playback control for VCD 2.0 discs
- Parental control and disc lock
- Resume (5 discs) after stop/ standby
- Programming tracks with favorite selection

<sup>1</sup> Typical playing time for movie with 2 spoken languages and 3 subtitle languages.

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